, International application No-

PCT/AU2004/000970

			7 17 00 0 5 7 0	
A.	CLASSIFICATION OF SUBJECT MATTER			
Int. Cl. 7:	B63H 3/04, 20/14, F16H 25/20			
According to	International Patent Classification (IPC) or to be	oth national classification and IPC	<u> </u>	
B.	FIELDS SEARCHED			
Minimum docu	umentation searched (classification system followed b	y classification symbols)		
Documentation	a searched other than minimum documentation to the	extent that such documents are included in the fields sear	rched	
Electronic data DWPI IPC:	base consulted during the international search (name B63H (all), B64C 11/(all) with keywords (	of data base and, where practicable, search terms used) propeller, pitch, adjust, push, lock, surface, inc	line)	
C.	DOCUMENTS CONSIDERED TO BE RELEVANT	<del></del>		
Category*	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.	
Α	SU 716906 A (DUBINSKII ET AL.) 25 F	Sebruary 1980		
•				
Α	US 5967753 A (MULLER) 19 October 19	999		
. A	US 4643643 A (OTTO) 17 February			
Α	US 3912417 A (HERBERT) 14 October 1	975		
X F	I urther documents are listed in the continuation	on of Box C X See patent family and	nex	
* Special c	ategories of cited documents: t defining the general state of the art which is "T" dered to be of particular relevance	later document published after the international filing date or conflict with the application but cited to understand the princi	priority date and not in ple or theory	
	plication or patent but published on or after the "X" mal filing date	underlying the invention document of particular relevance; the claimed invention canno or cannot be considered to involve an inventive step when the		
or which another c	t which may throw doubts on priority claim(s) "Y" is cited to establish the publication date of itation or other special reason (as specified)	alone document of particular relevance; the claimed invention canno involve an inventive step when the document is combined with such documents, such combination being obvious to a person	n one or more other	
or other r	t referring to an oral disclosure, use, exhibition neans t published prior to the international filing date	document member of the same patent family	·	
but later t	than the priority date claimed al completion of the international search	Date of mailing of the international search report		
31 August 20		•	1 3 SEP 2004	
Name and maili	ng address of the ISA/AU	Authorized officer		
PO BOX 200, W	PATENT OFFICE VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au 02) 6285 3929	ZBIGNIEW BIELAWSKI Telephone No: (02) 6283 2218		

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the relevant passages					
. A	US 2981338 A (T. HINDMARCH) 25 April 1961					
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		C1/A02004/0007/0		
Box No. II	Observations where certain claims were found unsearchable (Continuation of its	em 2 of first sheet)		
This internates	national search report has not been established in respect of certain claims under Article 1	7(2)(a) for the following		
1.	Claims Nos.:	•		
	because they relate to subject matter not required to be searched by this Authority, name	ely:		
	·			
		•		
2.	Claims Nos.:			
	because they relate to parts of the international application that do not comply with the ran extent that no meaningful international search can be carried out, specifically:	prescribed requirements to such		
		•		
		·		
	Claims Nos.:			
	because they are dependent claims and are not drafted in accordance with the second and	d third sentences of Rule 6.4(a)		
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first	sheet)		
This International Searching Authority found multiple inventions in this international application, as follows:  See the Extra sheet				
200 1210				
	·			
1.	As all required additional search fees were timely paid by the applicant, this international searchable claims.	l search report covers all		
	As all searchable claims could be searched without effort justifying an additional fee, thi payment of any additional fee.	s Authority did not invite		
	As only some of the required additional search fees were timely paid by the applicant, the covers only those claims for which fees were paid, specifically claims Nos.:	is international search report		
	1-12 and 43-50			
		•		
	No required additional search fees were timely paid by the applicant. Consequently, this restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	international search report is		
		•		
Remark on	Protest The additional search fees were accompanied by the applicant's	protest.		
	X No protest accompanied the payment of additional search fees.			

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

#### Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-12 are directed to a marine propulsion system wherein <u>rotating a screw threaded nut moves a push</u> member which in turn moves a propeller blade coupling mechanism therefore adjusting the blade's pitch. It is considered that the underlined features comprise a first "special technical feature".
- Claims 13-26 are directed to a marine propulsion system comprising emergency pitch adjuster (comprising a number of features) setting a propeller blade's pitch to a predetermined position in the event of a control mechanism breakdown. It is considered that said emergency pitch adjuster comprises a second "special technical feature".
- 3. Claims 27-42 are directed to a stern drive comprising a <u>driver for rotating a control shaft via twin gears set interconnected via a flexible drive element to adjust a propeller blade's pitch.</u> It is considered that the underlined features comprise a third "special technical feature".
- 4. Claims 43-50 are directed to a propeller comprising a propeller blade's pitch adjusting mechanism rotating the blade's base and the base unlocking/locking mechanism. It is considered that said unlocking/locking mechanism comprises a fourth "special technical feature".
- 5. Claims 51-66 are directed to a marine propulsion system comprising a blade supporting mechanism comprising an eccentric in engagement with a pin and blade's biasing element for biasing the eccentric and the pin to an equilibrium position wherein a pitch adjusting mechanism adjust the blade's pitch via the eccentric whereupon the biasing element locks the blades in the adjusted position. It is considered that said blade supporting mechanism comprises a fifth "special technical feature".

Since the abovementioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		•					
SU	716906						
US	5967753	EP	0990585				
US	4643643	DE	3417853	GB	2158887	JP	60255598
		NL	8501384	SE	8502372		
US	3912417						

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX